AMENDMENTS TO THE CLAIMS

Please replace all previous versions of the claims with the following listing:

1. (Cancelled)

2. (Currently Amended) A testing method for a magnetic hard disk or a magnetic head in a test system comprising:

a moving step in which the magnetic head moves to fly closely over the magnetic disk to a predetermined radial position corresponding to a position data of the magnetic disk which rotates at a predetermined constant speed;

a writing step wherein for each sector of at least one track, imbedded position data is read out, a predetermined signal is written in a data area of the sector immediately thereafter, and the read position data is stored, said writing step being performed for at least one rotation of said magnetic disk;

a first reading step in which the imbedded position data is read out from each sector of said track by the magnetic head and data of the data area of the sector is read out and stored, when <u>a difference between</u> the read position data and~~is one of equal to~~ the stored position data corresponding to the sector data ~~and a difference therebetween~~ is within an allowable range, the data reading and storing operations being performed for at least one rotation of the magnetic disk;

a data overwriting step in which the imbedded position data is read out from each sector of the track by the magnetic head and another signal is written in the data area of the sector, when <u>a difference between</u> the read position data and the stored position data corresponding to the sector data ~~are one of the same as each other and a difference therebetween~~ is within an allowable range, the data reading and·writing operations being performed for at least one rotation of the magnetic disk; and

a second reading step in which the overwritten position data is read out from each sector of the track by the magnetic head and the data of the data area of the sector is read out, when <u>a difference between</u> the read position data and the stored position data corresponding to the sector data ~~are one of the same as each other and a difference therebetween~~ is within an allowable range.

3. (Original) The testing method for a magnetic hard disk or a magnetic head according to claim 2, further comprising:

an erasing step which is performed between the moving step and the writing step, wherein a data area is erased only for each sector having a specified band area centered at the target track position.

4. (Original) The testing method for a magnetic hard disk or a magnetic head according to claim 2, wherein said predetermined signal is written at a low frequency during the data writing step and said another signal is overwritten at a high frequency during the overwriting step.

5-15. (Cancelled)